102 KENNEBEC RIVER BASIN

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

(National Water Quality Assessment site)

LOCATION.--Lat 44 28'25", long 69 41'08", Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, 5.3 mi downstream from Sebasticook River.

DRAINAGE AREA.--5,403 mi².

PERIOD OF RECORD.--Water years 1979-95, 1999.

DISCHARGE: October 1978 to September 1993. CHEMICAL ANALYSES: Water years 1979-93, 1995, 1999.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: October 1978 to October 1984, seasonal records 1984 to 1994. pH: October 1978 to October 1984, seasonal records 1984 to 1994. WATER TEMPERATURE: October 1978 to October 1984, seasonal records 1984 to 1994. DISSOLVED OXYGEN: October 1978 to October 1984, seasonal records 1984 to 1994.

REMARKS.--Water-discharge records for the Kennebec River near Waterville (station 01049205) are used for computation of

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
28 NOV	1130	4530	82	7.3	16.8	10.1	10.6	6.6	5.7
16	1130	5040	83	7.2	9.1	6.0	11.2	6.4	5.5
JAN						_			
12 FEB	1030	E3590	91	7.4	-8.1	.5	14.2	6.0	6.5
03	1000	E9010	72	7.3	9.5	.1	13.4	5.4	7.3
MAR	1000	10000	60	7 1	0.4	2.0	12.0	F 4	
17 APR	1000	12800	68	7.1	8.4	3.8	13.0	5.4	6.9
21	1100	10600	54	7.8	16.5	3.5	13.0	4.4	3.5
MAY 25	1140	7510	81	7.1	22.5	17.0	9.2	5.4	6.2
JUN	1140	7510	01	/.1	22.5	17.0	9.4	3.4	0.2
22	1200	4220	78	7.7	28.8	23.0	8.6	4.9	3.7
JUL 14	1220	4310	82	7.4	26.0	23.3	8.3	4.6	5.2
AUG	1220	4310	04	7.4	20.0	23.3	0.3	4.0	5.4
18	0945	3040	87	7.5	24.9	22.3	7.1	5.5	6.1
SEP 14	1100	3410	57	7.6	24.3	23.5	7.8	4.9	3.6
14	TT00	3410	5/	7.0	44.3	43.5	7.8	4.9	3.0

103 KENNEBEC RIVER BASIN

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT 28	<.10	83	1.3	15	.81	61	3.6	7.7	11	.081
NOV 16	<.10	81	1.3	16	.77	76	3.6	7.0	8.9	.056
JAN 12	<.10	84	1.2	16	.83	67	4.8	8.9	12	.142
FEB 03	<.10	79	1.2	18	.58	51	5.0	6.7	7.4	.021
MAR 17 APR	<.10	52	1.0	16	.67	51	4.2	5.6	5.7	.023
21 MAY	<.10	62	.92	18	.60	43	4.2	4.6	6.7	<.020
25 JUN	<.10	60	1.0	14	.77	64	3.5	7.5	10	.040
22 JUL	<.10	56	1.0	3.9	.86	56	3.5	8.0	12	<.020
14 AUG	<.10	57	.99	4.4	1.1	68	3.3	9.1	12	<.020
18 SEP	<.10	46	1.2	8.8	.92	59	2.5	8.9	8.6	<.020
14	<.10	38	1.2	7.2	.72	36	2.9	4.4	6.8	<.020
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	MENT, SUS- PENDED (MG/L) (80154)	SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 28 NOV	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	MENT, SUS- PENDED (MG/L) (80154)	SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 28 NOV 16 JAN	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046	PHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	MENT, SUS- PENDED (MG/L) (80154)	SUSP. SIEVE DIAM. * FINER THAN .062 MM (70331)
OCT 28 NOV 16 JAN 12	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052	PHORUS TOTAL (MG/L AS P) (00665) .065 .077	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	MENT, SUS- PENDED (MG/L) (80154) 16 7	SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) 29 49
OCT 28 NOV 16 JAN 12 FEB 03 MAR	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20	MENT, SUS- PENDED (MG/L) (80154) 16 7 2	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91
OCT 28 NOV 16 JAN 12 FEB 03 MAR 17	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010 <.010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80
OCT 28 NOV 16 JAN 12 FEB 03 MAR 17 APR 21	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010 <.010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023 .014	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031 .026	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025 .011	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20 <.20	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2 3	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80 39
OCT 28 NOV 16 JAN 12 FEB 03 MAR 17 APR 21 MAY 25 JUN	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20 .20 .29	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25 .27	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .016 <.010 <.010 <.010 <.010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023 .014 .017	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031 .026 .027	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025 .011	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1 5.6	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20 .20	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2 3 3	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80 39 85
OCT 28 NOV 16 JAN 12 FEB 03 MAR 17 APR 21 MAY 25 JUN 22 JUL	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20 .20 .29 .25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25 .27 .30 .35	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010 <.010 <.010 .010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023 .014 .017 .035	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031 .026 .027 .053	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025 .011 .029	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1 5.6 5.7	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20 .20 .30 .30	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2 3 3 4	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80 39 85
OCT	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20 .20 .29 .25 .25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25 .27 .30 .35	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010 <.010 <.010 .010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023 .014 .017 .035 .034	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031 .026 .027 .053	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025 .011 .029 .028	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1 5.6 5.7 6.2 6.9	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20 .20 .20 .20 .20	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2 3 3 4 1	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80 39 85 80 60
OCT 28 NOV 16 JAN 12 FEB 03 MAR 17 APR 21 MAY 25 JUN 22 JUL 14	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .31 .28 .34 <.10 .20 .20 .29 .25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .34 .26 .38 <.10 .25 .27 .30 .35	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .010 .010 .016 <.010 <.010 <.010 .010	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.046 .052 .055 .023 .014 .017 .035	PHORUS TOTAL (MG/L AS P) (00665) .065 .077 .058 .031 .026 .027 .053	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .043 .051 .053 .025 .011 .029	ORGANIC DIS- SOLVED (MG/L AS C) (00681) 6.1 7.1 6.6 6.0 5.1 5.6 5.7	ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689) .30 .20 <.20 .20 .20 .30 .30	MENT, SUS- PENDED (MG/L) (80154) 16 7 2 2 3 3 4	SUSP. SIEVE DIAM. FINER THAN .062 MM (70331) 29 49 62 91 80 39 85